

ABSTRACT OF THE DISCLOSURE

A low-output microwave lighting system includes: a rectifier for rectifying general AC power inputted through a power source unit and outputting a DC voltage; a power factor compensator for compensating a power factor of the DC voltage inputted through the rectifier; and an inverter circuit unit for receiving the power factor-compensated DC voltage and outputting an AC voltage through frequency varying. 120 Hz of ripple generated at a low output can be reduced, and it is driven at a frequency of 20 KHz or higher, so that a flicker phenomenon does not occur and a volume and weight in facility can be reduced.